



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090154

**Mode:** Highway

**Status:** Submitted

### US-158

**From/Cross Street:** I-85 in Warren County

**Specific Improvement Type:** 6 - Widen Existing Roadway and Construct Part on New Location

**To:** SR 1405 East of Littleton in Halifax County

**Project Category:** Statewide Mobility

**Length:** 22.17

**TIP#:** R-2587

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$130,625,000

#### Description:

Widen to Multi-Lanes with Bypasses of Norlina, Macon and Littleton on New Location.

**Division(s):** Division 5, Division 4

**County(s):** WARREN, HALIFAX

**MPOS(s)/RPO(s):** Kerr-Tar RPO, Peanut Belt RPO

### Project Location



**Statewide Mobility Total Score: 8.28**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 15.35 Safety (10%) 28.80 Economic Competitiveness (10%) 1.96 Multimodal + [Freight & Military] (20%) 2.69 [Travel Time] Benefit/Cost (30%) 0.21	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 8.28</b>		

**Regional Impact Total Score: 23.85**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 15.35 Safety (10%) 28.80 [Travel Time] Benefit/Cost (25%) 0.21 Accessibility / Connectivity (10%) 20.81	Percent: 15% Points: 0	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 8.85</b>		

**Division Needs Total Score: 5.99**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 15.35 Safety (10%) 28.80 [Travel Time] Benefit/Cost (20%) 0.21	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 5.99</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	22.9
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	3601.93
Capacity:	15533.05
Volume/Capacity Ratio:	0.23
% Autos:	85%
% Trucks:	15%
Truck Volume:	538.29
Crash Density:	36.14
Crash Severity:	23.68
Critical Crash Rate:	26.59
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	76
Actual Congested Speed:	43.22
Travel Time Index:	1.06

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	22.17
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	1170603.51
Travel Time Savings for 30 Years (Autos):	995663.8
Travel Time Savings for 30 Years (Trucks):	174939.71
Long-Term Employment:	23
% Change in Economy:	1.62E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 4

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 5	96%	0	0
Division 4	4%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Kerr-Tar RPO	96%	96	0
Peanut Belt RPO	4%	4	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$112,000,000	TIP Unit
Right-of-Way Cost:	\$18,625,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$130,625,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$130,625,000</b>	